17th International Cleveland Clinic Epilepsy Symposium
Epilepsy Surgery

June 27-29, 2007

InterContinental Hotel &
Bank of America Conference Center
Cleveland, Ohio

www.clevelandclinicmeded.com/EpilSurg07
Learning Objectives:

1. Recognize epileptic patients who are candidates for epilepsy surgery.
2. Discuss the different strategies which can be used for presurgical evaluation of patients with pharmacoresistant epilepsy.
3. Explain the risks of invasive surgical techniques as well as complications of surgical therapies for patients with epilepsy.
4. Discuss and illustrate the technical aspects of temporal lobectomy and functional hemispherectomy.
5. Critically review the surgical outcome in patients with pharmacoresistant epilepsy.

About This Symposium:

This three-day epilepsy and epilepsy surgery symposium continues to build on the tradition of the Cleveland Clinic epilepsy symposia of the past. The symposium would benefit both adult and pediatric epileptologists, neurologists and neurosurgeons with interest in the surgical management of patients with epilepsy. World-renowned experts in the field of epilepsy and epilepsy surgery will discuss the latest advances in presurgical and surgical management of patients with pharmacoresistant epilepsy. Discussions of epilepsy surgery cases will complement the plenary lectures. In addition, surgical demonstrations will illustrate the various surgical techniques used in the field of epilepsy surgery.

Call For Papers

Abstracts will be solicited for poster presentations. Posters will be on display throughout the symposium. Poster session participants will be notified of acceptance as well as poster size and content requirements on or before May 25, 2007.

Abstract Requirements

- Deadline date: May 1, 2007. One entry per presenter
- Electronic submissions only through symposium web site at www.clevelandclinicmeded.com/EpilSurg07abstracts
- 250 word limit
Co-Directors
Imad Najm, MD
William Bingaman, MD

Cleveland Clinic Epilepsy Center Faculty
Andreas Alexopoulos, MD
Jocelyn Bautista, MD
Richard Burgess, MD, PhD
Robyn Busch, PhD
Beate Diehl, MD
Tatiana Falcone, MD
Nancy Foldvary-Schaefer, DO
Jorge Gonzalez-Martinez, MD
Ajay Gupta, MD
Lara Jehi, MD
Prakash Kotagal, MD
Deepak Lachhwani, MD
Eduardo Locatelli, MD
Dileep Nair, MD
Richard Naugle, PhD
Paul Ruggieri, MD
George Tesar, MD
Ingrid Tuxhorn, MD, ChB

Guest Faculty
Jean Aicardi, MD
Paris, France
Frederick Andermann, MD
Montreal, Canada
Alexis Arzínomogliou, MD
Paris, France
Giuliano Avanzini, MD
Milan, Italy
Nicholas Barbaro, MD
San Francisco, CA
Gregory Barkley, MD
Detroit, MI
Christoph Baumgartner, MD
Vienna, Austria
Alim-Louis Benabid, MD
Grenoble, France
Andrew Bleasel, MBBS
Wellington, Australia
Warren Blume, MD
London, Canada
Attaphorn Boongird, MD
Bangkok, Thailand
Mar Carreño, MD, PhD
Barcelona, Spain
Gregory Cascino, MD
Rochester, MN
Stephan Chabardes, MD
Grenoble, France
Harry Chugani, MD
Detroit MI
Peter Crino, MD, PhD
Philadelphia, PA
Michael Duchowny, MD
Miami, FL
John Duncan, MD
London, United Kingdom
Alois Ebner, MD
Bielefeld, Germany
Elia Garzon, MD
Sao Paulo, Brazil
Hajo Hamer, MD
Marburg, Germany
William Harkness, FRCS
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Edouard Hirsch, MD
Strasbourg, France
Dominique Hoffman, MD
Grenoble, France
Hans Holthausen, MD
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Akio Ikeda, MD, DMS
Kyoto, Japan
Phillipe Kahane, MD, PhD
Grenoble, France
Andres Kanner, MD
Chicago, IL
Susanne Knäke, MD
Marburg, Germany
Giorgio LoRusso, MD
Milan, Italy
Hans Lüders, MD, PhD
Cleveland, OH
Martha Morrell, MD
Mountain View, CA
Harold Morris, MD
Burlington, VT
Soheyi Noachtar, MD
Munich, Germany
Doug Nordli, Jr., MD
Chicago, IL
George Ojemann, MD
Seattle, WA
Eliseu Paglioli, MD
Porto Alegre, Brazil
Andre Palmini, MD, PhD
Porto Alegre, Brazil
Steven Roper, MD
Gainesville, FL
Felix Rosenow, MD
Marburg, Germany
Americo Sakamoto, MD, PhD
Sao Paulo, Brazil
Dieter Schmidt, MD
Berlin, Germany
Johannes Schramm, MD
Bonn, Germany
Paul Shkurovich, MD
Mexico City, Mexico
Christopher Skidmore, MD
Philadelphia, PA
Michael Sperling, MD
Philadelphia, PA
Roberto Spreatino, MD, PhD
Milan, Italy
Teeradej Srikiwickul, MD
Patumwan, Thailand
Adriana Tanner, MD
Grand Rapids, MI
Frithjof Tergau, MD
Göttingen Germany
Walter Van Emde-Boas, MD, PhD
Heemstede, Netherlands
Wim Van Paesschen, MD
Leuven, Belgium
Heinz Gregor Wieser, MD
Zurich, Switzerland

www.clevelandclinicmeded.com/EpilSurg07
Tuesday, June 26, 2007
6:00 - 9:00 p.m. Advance Registration and Welcome Reception

Day 1 - Wednesday, June 27, 2007

Plenary Session (1): 8:00 - 10:30 a.m.
7:30 - 7:35 a.m. Opening Remarks
7:35 - 7:55 a.m. History of Epilepsy Surgery
7:55 - 8:15 a.m. General Principles of Epilepsy Surgery
8:15 - 8:35 a.m. Epidemiology of Focal Epilepsies
8:35 - 8:55 a.m. Genetics of Focal Epilepsies
8:55 - 9:10 a.m. Break
9:10 - 9:30 a.m. EEG in Epilepsy Surgery
9:30 - 9:50 a.m. Imaging in Epilepsy Surgery
9:50 - 10:10 a.m. Timing of Epilepsy Surgery
10:10 - 10:30 a.m. Overview of Epilepsies Remediable by Surgery

10:30 - 11:00 a.m. Break

The Hans Lüders’ Distinguished Epileptologist’s Lecture
11:00 - 11:15 a.m. Introduction
11:15 - 12:00 noon Lecture

12:00 - 1:30 p.m. Lunch

Parallel Session (1): 1:30 - 3:30 p.m.
The Symptomatogenic Zone
1:30 - 2:00 p.m. Auras
2:00 - 2:30 p.m. Simple Motor Seizures
2:30 - 3:00 p.m. Complex Motor Seizures
3:00 - 3:30 p.m. Dialeptic Seizures

Parallel Session (2): 1:30 - 3:30 p.m.
Definition of the Irritative Zone
1:30 - 2:00 p.m. Non-Invasive Evaluation
2:00 - 2:30 p.m. Invasive Evaluation
2:30 - 3:00 p.m. Role of Magnetoencephalography (MEG)
3:00 - 3:30 p.m. Source Localization of EEG Spikes

Day 2 - Thursday, June 28, 2007

Parallel Session (3): 1:30 - 3:30 p.m.
Definition of the Ictal Onset Zone
1:30 - 2:00 p.m. Subdural Electrodes
2:00 - 2:30 p.m. Stereoecephalography
2:30 - 3:00 p.m. Functional MRI
3:00 - 3:30 p.m. Ictal SPECT
3:30 - 4:00 p.m. Break

4:00 - 5:30 p.m. Case Discussion (1): Seizure Semiology
4:00 - 5:30 p.m. Case Discussion (2): Catastrophic Epilepsy

7:00 - 9:00 p.m. Dinner Reception

Parallel Session (4): 8:00 a.m. - 10:00 a.m.
The Epileptic Lesion
8:00 - 8:30 a.m. Structural Imaging in Epilepsy: Overview
8:30 - 9:00 a.m. MRI in Mesial Temporal Sclerosis
9:00 - 9:30 a.m. MRI in Malformations of Cortical Development
9:30 - 10:00 a.m. Postprocessing of MRI

Parallel Session (5): 8:00 - 10:00 a.m.
The Functional Deficit Zone
8:00 - 8:30 a.m. General Principles
8:30 - 9:00 a.m. PET in Intractable Epilepsies
9:00 - 9:30 a.m. TMS in the Evaluation of Cortical Excitability
9:30 - 10:00 a.m. Presurgical Neuropsychological Evaluation: Risk Factors for Postsurgical Deficits

Parallel Session (6): 8:00 - 10:00 a.m.
Temporal Lobe Surgery
8:00 - 8:30 a.m. Temporal Lobe Anatomy
8:30 - 9:00 a.m. Corticoamygdalohippocampectomy
9:00 - 9:30 a.m. Amygdalohippocampectomy
9:30 - 10:00 a.m. Neocortical Temporal Lobe Surgery

10:00 - 10:30 a.m. Break
Day 3 - Friday, June 29, 2007

Parallel Session (10): 8:00 - 10:00 a.m.
Research Opportunities on Surgical Specimens
8:00 - 8:30 a.m. In vitro Neurophysiological Studies
8:30 - 9:00 a.m. Molecular-Cellular Studies
9:00 - 9:30 a.m. Pathology of Malformations of Cortical Development
9:30 - 10:00 a.m. Pathology of Mesial Temporal Sclerosis

Parallel Session (11): 8:00 - 10:00 a.m.
Brain Stimulation and Surgical Failures
8:00 - 8:30 a.m. Deep Brain Stimulation in Intractable Epilepsy
8:30 - 9:00 a.m. Invasive Closed Loop Seizure Detection and Cortical Stimulation
9:00 - 9:30 a.m. Surgical Failures: Re-evaluation
9:30 - 10:00 a.m. Surgical Failures: Techniques of Reoperation and Outcomes

Parallel Session (12): 8:00 - 10:00 a.m.
Non-Resective Surgical Procedures
8:00 - 8:30 a.m. Multiple Subpial Transections
8:30 - 9:00 a.m. Multiple Hippocampal Transections
9:00 - 9:30 a.m. Gamma Knife
9:30 - 10:00 a.m. Vagus Nerve Stimulation

10:00 - 10:30 a.m. Break

10:30 - 12:00 noon Case Discussions (5): Surgical Failure: Reoperation

Parallel Session (13): 10:30 - 12:00
Extratemporal Epilepsy Surgery Techniques
10:30 - 11:00 a.m. Frontal Lobe Anatomy
11:00 - 11:30 a.m. Molecular-Cellular Studies
11:30 - 12:00 noon Pathology of Malformations of Cortical Development

10:30 - 12:00 noon Case Discussions (6): Difficult to Localize Focal Epilepsy
10:30 - 12:00 noon Case Discussions (7): Extensive Cortical Malformation

12:00 - 1:30 p.m. Lunch

12:00 - 4:00 p.m. Surgical Demonstration (4): Hemispherectomy and Extratemporal Dissection
Accreditation Statement
The Cleveland Clinic Foundation Center for Continuing Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.
The Cleveland Clinic Foundation Center for Continuing Education designates this educational activity for a maximum of 23.75 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.
This activity may be submitted for American Osteopathic Association Continuing Medical Education credit in Category 2.

Faculty Disclosure
The Cleveland Clinic Foundation Center for Continuing Education has implemented a policy to comply with the current Accreditation Council for Continuing Medical Education Standards for Commercial Support requiring resolution of all faculty conflicts of interest. Faculty declaring a relevant commercial interest will be identified in the activity syllabus.

Disclaimer
The information in this educational activity is provided for general medical education purposes only and is not meant to substitute for the independent medical judgment of a physician relative to diagnostic and treatment options of a specific patient’s medical condition. The viewpoints expressed in this CME activity are those of the faculty. They do not represent an endorsement by The Cleveland Clinic Foundation. In no event will The Cleveland Clinic Foundation be liable for any decision made or action taken in reliance upon the information provided through this CME activity.

Climate
In late June, the average temperature in Cleveland ranges from 72-80° Fahrenheit.

Further Information
For further information about the symposium, please contact Martha Tobin at:
Tel: 216.445.3449 or Toll free: 1.800.223.2273 ext 53449
or via Email: tobinm@ccf.org
If you have special needs that require additional assistance, please call Martha Tobin at 216.445.3449. Requests must be received at least two weeks before the start of the seminar.

Location
All sessions for The 17th International Epilepsy Symposium: Epilepsy Surgery Techniques and Dissection Exercises held on June 27-29, 2007 will be at the InterContinental Hotel & Bank of America Conference Center at 9801 Carnegie Avenue, Cleveland, Ohio 44106. Tel: 216.707.4100, Fax: 216.707.4301, Website: cleveland.Intercontinental.com. To contact a symposium registrant for an emergency during the symposium, please call 216.707.4100 and ask for the Cleveland Clinic Registration Desk.

Registration
Registration for the symposium will take place in the Conference Center Lobby on the third floor of the InterContinental Hotel & Bank of America Conference Center. Registration will begin on Tuesday, June 26, at 6:00 p.m. and will be open through Friday, June 29, 2007. Pre-registration is encouraged and accepted online at www.clevelandclinicmeded.com/EpilSurg07 until 4:00 p.m. EST June 21, 2007. To register after this date, you must do so on-site. You may also fax the Registration Form to the Continuing Medical Education office at 216.445.9406. The Continuing Medical Education office will send a receipt and confirmation after payments have been processed and approved.

Symposium Cancellation Policy
In case of cancellation, a full refund will be made if canceled by May 27, 2007. After May 27, 2007, a $50 cancellation fee will be deducted from your refund. Written notification of your cancellation is required in order to process your refund. NO REFUNDS WILL BE ISSUED AFTER MAY 27, 2007, but your registration is transferable through June 29, 2007.

Hotel Accommodations
A block of rooms is reserved at the symposium headquarters hotel, the InterContinental Hotel & Bank of America Conference Center, at the rate of US$185.00. A block of rooms is also reserved at the InterContinental Suites hotel, located 3 blocks from the headquarters hotel, at the rate of US$155.00. Rates do not include applicable city and occupancy taxes (15.5%). Reservations can be made by calling 216.707.4000 or toll free 877.707.8999 or reserve your room online through the hotel link on the symposium website (www.clevelandclinicmeded.com/EpilSurg07). Rates are guaranteed until May 26, 2007. To receive the Cleveland Clinic group rates, guests must identify themselves as participants of The 17th International Epilepsy Symposium when making reservations.

Check-In Time: 3:00 p.m. on the day of arrival / Check-Out Time: 12:00 p.m. (noon) on the day of departure.
If early arrivals and late departures are necessary, please notify the hotel in advance. All individual guest reservations must be guaranteed by major credit card. Cancellation Policy: Guest reservations must be cancelled by 4:00 p.m. (EST) on the day prior to the scheduled arrival date to avoid a no-show charge. If more than two persons occupy a room, there will be a $25.00 charge for each additional person, per room. The InterContinental Hotel features a fully equipped 24-hour business center, three restaurants, two lounges, and a 24-hour fitness center.

Transportation
Taxi service is available from Cleveland Hopkins International Airport to the InterContinental Hotel & Bank of America Conference Center. As an alternative, take the rapid transit train from the airport to the Terminal Tower in downtown Cleveland and from there take a taxi to the InterContinental Hotel & Bank of America Conference Center.

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Registration Instructions

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The Cleveland Clinic Education Foundation
PO Box 931653
Cleveland, OH 44193-1082

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or faxed to 216.445.9406 (once faxed, do not mail original registration).

Didactic Lectures Only

- Physicians $795
- Residents*/Fellows*/PhDs/Nurses/PAs $395
- CCF Alumni or CCF Health System Physician Organization $479
- CCF Comprecare Affiliates $519

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- Neurosurgeons $1495
- Residents*/Fellows* $749
- CCF Alumni or CCF Health System Physician Organization $895
- CCF Comprecare Affiliates $975

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* A letter from Program Director for residents and fellows must accompany registration.
* Symposium fee includes registration material, continental breakfast, breaks, receptions.

Register for the “Epileptology: Comprehensive Review and Practical Exercises” course and save $100 on the epilepsy surgery symposium. Both registration forms must be mailed or faxed together. The discount cannot be applied for registrations received online.
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